

EGRESS SYSTEMS

(F-16)

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1. **Objective.** As prescribed in AFI 38-201, *Determining Manpower Requirements*, this Air National Guard Manpower Standard (ANGMS) quantifies the manpower required to accomplish the tasks described in the work center description for varying levels of workload.
 2. **Authority.** Air National Guard Regulation 66-14, *Maintenance Management*, 13 July 1988, contains policy and procedural guidance for the Egress Systems work center. This ANGMS has been developed in accordance with functional review procedures contained in AFPAM 38-208V1, *Air Force Management Engineering Program (MEP) Processes*, (formerly AFR 25-5).
 3. **Applicability.** Applies to ANG F-16 Fighter Wings, Groups, and the 114th Fighter Squadron. It excludes the 162nd Fighter Group and the 184th Fighter Group. This standard only applies to peacetime operations.
 4. **Standard Data:**
 - a. Classification. Type II.
 - b. Approval Date. 1 August 1992.
 - c. Man-hour Data Source. Operational Audit method (historical record and technical estimate techniques).
 - d. Standard Man-hour Equation. $Y = 47.73 + 1.101X$.
 - e. Workload Factor:
 - (1) Title. A Programmed Flying Hour.
 - (2) Definition. The average monthly programmed flying hour authorized.
 - (3) Source. USAF Program Document, Volume II maintained by NGB/FM.
 5. **Application Instructions:**
 - a. The valid man-hour range for this ANGMS is 319.72 through 652.06.
 - b. This ANGMS is appropriate for use with all peacetime civilian man-hour availability factors.
 - c. Determine the whole manpower requirements for this work center and refer to the appropriate column in the standard manpower table at attachment 2 to determine the required specialties.
 6. **Statement of Conditions:**
 - a. There were no general conditions (environmental, equipment, or facility) which had an impact on the development or application of this manpower standard.
 - b. There were no approved enhancements that impacted the man-hour equation for this work center.

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2 Attachments
1. Work Center Description
2. Standard Manpower Table

WORK CENTER DESCRIPTION**Egress Systems****(F-16)****DIRECT:****1. ON-EQUIPMENT MAINTENANCE:**

1.1. MAINTAINS CREW STATION COMPARTMENT. Inspects, troubleshoots, repairs, adjusts, removes, replaces, modifies, and performs functional check on-equipment.

1.1.1. MAINTAINS CANOPY SUBSYSTEM.

1.1.2. MAINTAINS EJECTION SEQUENCING SUBSYSTEM.

1.1.3. MAINTAINS EJECTION SEAT SYSTEM.

1.2. MAINTAINS EMERGENCY EQUIPMENT. Inspects, installs, removes, and replaces explosive item.

1.3. MAINTAINS EXPLOSIVE DEVICE. Inspects, installs, removes, and replaces explosive item.

1.3.1. MAINTAINS ESCAPE INITIATING SYSTEM.

1.3.2. MAINTAINS TWO-PLACE ESCAPE INITIATING SYSTEM.

1.3.3. MAINTAINS CANOPY JETTISON SYSTEM.

1.3.4. MAINTAINS EJECTION SEAT EXPLOSIVE DEVICE.

1.4. PERFORMS INSPECTION. Performs special, phase, and hourly aircraft inspection.

1.4.1. PERFORMS SPECIAL INSPECTION.

1.4.2. PERFORMS PHASE INSPECTION.

1.4.3. PERFORMS HOURLY INSPECTION.

2. OFF-EQUIPMENT MAINTENANCE:

2.1. MAINTAINS CREW STATION COMPARTMENT. Inspects, troubleshoots, repairs, adjusts, removes, replaces, modifies, and performs functional check off-equipment.

2.2. MAINTAINS EXPLOSIVE DEVICE.

3. NONPOWERED AEROSPACE GROUND EQUIPMENT (AGE) AND SHOP INDUSTRIAL EQUIPMENT MAINTENANCE. Inspects and maintains nonpowered AGE and shop industrial equipment.

4. TECHNICAL ORDER SUBACCOUNT MAINTENANCE. Receives and posts data and change to technical order file. Maintains file for serviceability.

5. **GENERAL SHOP SUPPORT.** Performs shop support to include local manufacture items.
6. **MAINTENANCE ASSISTANCE.** Assists other maintenance function in the performance of direct labor maintenance requirement to ensure effective use of maintenance personnel.
7. **TIME-COMPLIANCE TECHNICAL ORDER (TCTO) MAINTENANCE.** Performs maintenance required on and off the aircraft in accordance with applicable TCTO and completes documentation.
8. **EGRESS SYSTEM MAINTENANCE PREPARATION.** Arms and disarms egress system.
9. **COCKPIT SAFETY.** Conducts training on egress system for unit maintenance and fire department personnel.
10. **COMPOSITE TOOL KIT (CTK) MAINTENANCE.** Performs start and end of day inspection. Maintains CTK by inspecting for serviceability, performing corrosion control, and replacing tool.
11. **UNIT TRAINING ASSEMBLY (UTA) PREPARATION.** Performs planning and scheduling task associated with preparation for UTA.

INDIRECT: Indirect work involves those tasks that are not readily identifiable with the work center's product or service. The major categories of standard indirect work are Supervision, Administration, Meetings, Training, Supply, Equipment Maintenance, and Cleanup. See AFMS 00AA for the standard indirect description.

STANDARD MANPOWER TABLE										
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE							
Egress Systems/23390D			319.72 - 652.06							
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
Aircrew Egress Sys	454X2	Civ	3	4	5					
TOTAL			3	4	5					
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
TOTAL										